

Amendments to the Specification:

Please amend the paragraph on page 34, lines 11-18
as follows:

The regions identified potentially correspond to one or more transcripts. In some embodiments, the intensities of hybridization of probes within each of the identified regions are further analyzed to detect changes in magnitude. For example, in an identified region covered by 40 probes, if the intensities of the first 20 probes have similar intensities, the last 20 probes also have similar intensities; and the intensities of the first 20 probes are twice as much as those of the last 20 probes, the region may contain at least two separately transcribed areas: the first is covered by the first 20 probes and the second is covered by the last 20 probes. Thus, as used herein "similar intensities" means a group of intensity values differing by less than about a factor of two among themselves.